

NEW ABSTRACT

A projection system for image representation includes a display, a lamp, and a sensor for generating a sensor signal for monitoring and compensating changes in the luminous flux provided by the lamp. To achieve a monitoring of the light quantity actually incident on the display, an optical component is arranged in a light path between the lamp and the display. The optical component allows a first light component to pass through and reflects a second light component such that one of the light components is directed at the display and the other light component is directed at the sensor arranged outside the light path. A sensor signal generated in this manner renders it possible to compensate for fluctuations in the luminous flux provided by the lamp through the control of a lamp driver in an effective.